

AMENDMENTS TO THE CLAIMS

Please enter the following amendments to the claims:

1. (Currently Amended) A stereoscopic image display apparatus for generating a stereoscopic image, comprising a left viewpoint image and a right viewpoint image, based on a file, comprising wherein the apparatus is programmed to:

identify a first object specified in the file as a means for determining only a portion of descriptions in a file subject to a stereoscopic rendering viewing-use process out of the descriptions in the file which renders the first object with a parallax amount between the left viewpoint image and right viewpoint image;

identify a second object specified in the file as rendered adjacent to the first object in a horizontal direction and rendered with no parallax between the left viewpoint image and the right viewpoint image;

determine the parallax a means for determining a phase deviation amount and a deviation direction of an for rendering the first object in the left viewpoint image and the right viewpoint image to be stereoscopically displayed based on the portion of descriptions subject to the stereoscopic viewing-use process file; [[and]]

render a rendering means for carrying out a rendering process of each viewpoint image of the first object to be stereoscopically displayed at a first horizontal position in the left viewpoint image and a second horizontal position in the right viewpoint image based on the phase deviation parallax amount and the deviation direction such that the first horizontal position is separated from the second horizontal position by the parallax amount[[, wherein]]; and

render the second object at a third horizontal position in the left and right viewpoint images determined based on the parallax amount, such that the first and second objects do not overlap in either of the left and right viewpoint images

~~regarding a viewpoint image of the object to be stereoscopically displayed to be deviated, an object on an adjacent side of the object to be stereoscopically displayed is rendered in such a manner that a location thereof is deviated toward a side of the deviation direction of the object to be stereoscopically displayed to be deviated by a certain deviation amount, and,~~

~~regarding a viewpoint image of the object to be stereoscopically displayed not to be deviated, an object on an adjacent side of the object to be stereoscopically displayed not to be deviated is rendered in such a manner that a location thereof is deviated toward the side of the deviation direction of the object on the adjacent side of the object to be stereoscopically displayed to be deviated the certain deviation amount.~~

2. (Currently Amended) A stereoscopic image display apparatus according to claim 1, wherein the first object to be stereoscopically displayed is rendered over an object adjacent thereto, or the object adjacent thereto is rendered over the first object to be stereoscopically displayed corresponding to the phase deviation parallax amount and the deviation direction when a rendering process in which the location of the object on the adjacent side is deviated is not executed.

3. (Currently Amended) A stereoscopic image display apparatus according to claim 2, wherein the first object to be stereoscopically displayed, which is to be rendered over, is rendered in such a manner as to be translucent.

4. (Previously Presented) A stereoscopic image display apparatus according to claim 2 or 3, wherein the rendering-over process is executed when there is in the file a portion of the descriptions indicating that the rendering-over process is to be carried out.

5. (Currently Amended) A stereoscopic image display apparatus according to claim 1, wherein regarding each of the left viewpoint image and the right viewpoint image of the object to be stereoscopically displayed, an object on an adjacent side of the first object to be stereoscopically displayed is rendered in such a manner that a location thereof is deviated toward a side of the deviation direction of the first object to be stereoscopically displayed only by an amount equal to or larger than the phase deviation parallax amount.

6. (Previously Presented) A stereoscopic image display apparatus according to claim 5, wherein a rendering process in which the location of the object on the adjacent side is deviated is executed when there is in the file a portion of the descriptions indicating that the rendering process in which the location of the object on the adjacent side is deviated is to be carried out.

7. (Currently Amended) A stereoscopic image display apparatus according to claim 1, wherein in a case that extent information as information indicating the phase deviation parallax amount is described in the file, the phase deviation parallax amount is calculated based on information of a previously retained setting table and the extent information.

8. (Currently Amended) A stereoscopic image display apparatus according to claim 1, wherein in a case that the first object ~~to be stereoscopically displayed~~ is stereoscopically displayed on a near side, the first object ~~to be stereoscopically displayed~~ is expanded and rendered, and in a case that the first object ~~to be stereoscopically displayed~~ is stereoscopically displayed on a far side, the first object ~~to be stereoscopically displayed~~ is reduced in size and rendered.

9. (Currently Amended) A processor-readable medium tangibly embodying a set of processor-executable instructions, wherein execution of the instructions causes a processor to perform operations comprising:

identifying a first object specified in the file as determining only a portion of descriptions in a file subject to a stereoscopic rendering viewing-use process out of the descriptions in the file which renders the first object with a parallax amount between the left viewpoint image and right viewpoint image;

identifying a second object specified in the file as rendered adjacent to the first object in a horizontal direction and rendered with no parallax between the left viewpoint image and the right viewpoint image;

determining a phase deviation the parallax amount and a deviation direction of an for rendering the first object in the left viewpoint image and the right viewpoint image to be stereoscopically displayed based on the portion of descriptions subject to the stereoscopic viewing-use process file; [[and]]

carrying out a rendering process of each viewpoint image of the first object to be stereoscopically displayed at a first horizontal position in the left viewpoint image and a second

horizontal position in the right viewpoint image based on the phase deviation parallax amount
and the deviation direction such that the first horizontal position is separated from the second
horizontal position by the parallax amount[[, wherein]]; and

rendering the second object at a third horizontal position in the left and right viewpoint
images determined based on the parallax amount, such that the first and second objects do not
overlap in either of the left and right viewpoint images

~~regarding a viewpoint image of the object to be stereoscopically displayed to be deviated,~~
~~an object on an adjacent side of the object to be stereoscopically displayed is rendered in such a~~
~~manner that a location thereof is deviated toward a side of the deviation direction of the object to~~
~~be stereoscopically displayed to be deviated by a certain deviation amount, and,~~

~~regarding a viewpoint image of the object to be stereoscopically displayed not to be~~
~~deviated, an object on an adjacent side of the object to be stereoscopically displayed not to be~~
~~deviated is rendered in such a manner that a location thereof is deviated toward the side of the~~
~~deviation direction of the object on the adjacent side of the object to be stereoscopically~~
~~displayed to be deviated by the certain deviation amount.~~

10. (Currently Amended) The medium according to claim 9, wherein the operations further comprise rendering the first object to be stereoscopically displayed over an object adjacent thereto, or rendering the object adjacent thereto over the first object to be stereoscopically displayed corresponding to the phase deviation parallax amount and the deviation direction.

11. (Currently Amended) The medium according to claim 10, wherein the operations further comprise rendering the first object ~~to be stereoscopically displayed~~, which is to be rendered over, in such a manner as to be translucent.

12. (Previously Presented) The medium according to claim 10 or 11, wherein the operations further comprise executing the rendering-over process when there is a portion of descriptions indicating the rendering-over process in a file.

13. (Currently Amended) The medium according to claim 9, wherein the operations further comprise rendering an object on an adjacent side of the first object ~~to be stereoscopically displayed~~ in such a manner that a location thereof is deviated toward a side of the deviating deviation direction of the first object ~~to be stereoscopically displayed~~ only by an amount equal to or larger than the phase deviation parallax amount, regarding each of the left viewpoint image and the right viewpoint image of the object to be stereoscopically displayed.

14. (Previously Presented) The medium according to claim 13, wherein the operations further comprise executing a rendering process in which the location of the object on the adjacent side is deviated when there is in a file a portion of descriptions indicating that the rendering process in which the location of the object on the adjacent side is deviated is carried out.

15. (Currently Amended) The medium according to claim 9, wherein the operations further comprise calculating, in a case that extent information as information indicating the phase

~~deviation parallax~~ amount is described in the file, the ~~phase deviation parallax~~ amount based on information of a previously retained setting table and the extent information.

16. (Currently Amended) The medium according to claim 9, wherein the operations further comprise expanding and rendering the first object ~~to be stereoscopically displayed~~ in a case that the first object ~~to be stereoscopically displayed~~ is stereoscopically displayed on a near side, and reducing in size and rendering the first object ~~to be stereoscopically displayed~~ in a case that the first object ~~to be stereoscopically displayed~~ is stereoscopically displayed on a far side.

17 – 45. (Canceled)